

1 1. A cold cathode fluorescent lamp (CCFL) assembly comprising:
2 a. a cold cathode fluorescent lamp (CCFL) having first and second ends in close
3 proximity;
4 b. a first electrode at said first end and a second electrode at said second end, said
5 electrodes positioned within the lamp and having conductive leads extending through
6 said lamp to the lamp exterior;
7 c. a bulb having a base enclosing said cold cathode fluorescent lamp; and
8 d. coupling means connecting said conductive leads to said base whereby power
9 from a base socket is applied to said leads to energize said cold cathode fluorescent lamp.

1 2. The cold cathode fluorescent lamp assembly of claim 1, wherein said coupling
2 means include ballast means interposed between said conductive leads and said base.

1 3. The cold cathode fluorescent lamp assembly of claim 1 wherein said cold
2 cathode fluorescent lamp is bent into a u-shape.

1 4. A light assembly comprising:
2 a. an envelope;
3 b. a candelabra base connected to said envelope;
4 c. a cold cathode fluorescent lamp having a tubular portion with phosphors
5 therein, electrodes at the ends of said tubular portion and conductive leads connected to
6 said electrodes and extending through said tubular portion to the exterior thereof; and
7 d. coupling means connecting said conductive leads to said candelabra base for

8 transmitting applied electrical power to said electrodes to energize said cold cathode
9 fluorescent lamp.

1 5. The light assembly of claim 4 wherein said coupling means include ballast
2 means interposed between said conductive leads and said candelabra base.

1 6. The light assembly of claim 4 wherein said cold cathode fluorescent lamp is
2 bent into a u-shape.

1 7. A light assembly comprising;
2 a. A fluorescent tube bulb;
3 b. A CCFL wholly contained within said fluorescent tube bulb including
4 electrodes at each end extending from the interior to the exterior of said CCFL;
5 c. A bi-pin end cap at each end of said fluorescent tube bulb; and
6 d. Connecting means electrically coupling said CCFL electrodes to at least one
7 pin of each of said bi-pin end caps,
8 whereby electrical energy applied to said bi-pin end caps is transmitted to
9 energize said CCFL.

1 8. The light assembly of claim 7, above, wherein said bi-pin end caps include
2 support means for holding said CCFL.

1 9. The light assembly of claim 7, above further including a second CCFL with
2 electrodes at each end extending from the interior to the exterior of said second CCFL,
3 said second CCFL being wholly contained within said fluorescent tube bulb; and said
4 connecting means coupling the pins of said bi pin end caps to both of said CCFLs.

1 10. The light assembly of claim 9, above, wherein said bi-pin end caps
2 include support means for suspending both of said CCFLs.